PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4005501

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIE HUI	02/19/2014
ZACHARY WILLIAM MCPHERSON	02/20/2014
KRANTHI SONTINENI	02/19/2014
PETER P. MYRON	02/19/2014
HIMESH BAGLEY	06/06/2014
JEFFERY A. SMITH	02/19/2014

RECEIVING PARTY DATA

Name:	T-Mobile USA, Inc.
Street Address:	12920 SE 38th Street
City:	Bellevue
State/Country:	WA
Postal Code:	98006-1350

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15235987

CORRESPONDENCE DATA

Fax Number: (509)944-4692

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 509-324-9256

Email: Lynne@leehayes.com LEE & HAYES, PLLC **Correspondent Name:**

Address Line 1: 601 W. RIVERSIDE AVE, SUITE 1400 Address Line 4: SPOKANE, WASHINGTON 99201

ATTORNEY DOCKET NUMBER:	TM2-0188USC1
NAME OF SUBMITTER:	LYNNE MAHAN
SIGNATURE:	/Lynne Mahan/
DATE SIGNED:	08/12/2016
<u> </u>	

Total Attachments: 6

PATENT REEL: 039669 FRAME: 0182

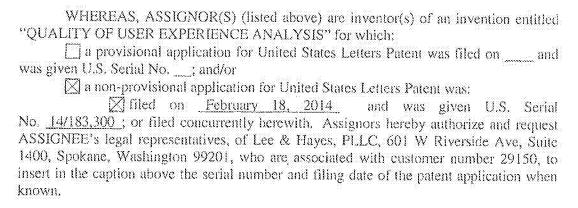
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PATENT REEL: 039669 FRAME: 0183

ASSIGNMENT

WHEREAS, Jie Hui, Zachary William McPherson, Kranthi Sontineni, Peter P. Myron, Himesh Bagley, Jeffery A. Smith, and residing at Mercer Island, Washington, Seattle, Washington, Renton, Washington, Renton, Washington, Seattle, Washington, Botheil, Washington, respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

QUALITY OF USER EXPERIENCE ANALYSIS



WHEREAS, T-Mobile U.S.A, Inc. a corporation of the State of Delaware, having its principal place of business at 12920 SE 38th Street, Bellevue, Washington, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

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PATENT REEL: 039669 FRAME: 0184 And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

Fab 19, 2014	Toll
Date	Jie Hui
Feb 19, 2014	Zachary William McPherson
Feb 19, 2014 Date	Aran Hi Kranthi Sontineni
2,19,201f Date	Perfr P. Myron
Date	Himesh Bagley
2/19/2014 Date	Jefferý K. Smith

ASSIGNMENT

WHEREAS, Jie Hui, Zachary William McPherson, Kranthi Sontineni, Peter P. Myron, Himesh Bagley, Jeffery A. Smith, and residing at Mercer Island, Washington, Seattle, Washington, Renton, Washington, Renton, Washington, Seattle, Washington, Bothell, Washington, respectively (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

QUALITY OF USER EXPERIENCE ANALYSIS

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
'QUALITY OF USER EXPERIENCE ANALYSIS" for which:
a provisional application for United States Letters Patent was filed on and
was given U.S. Serial No; and/or
☐ filed on February 18, 2014 and was given U.S. Serial No.
14/183,300; or filed concurrently herewith. Assignors hereby authorize and request
ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave, Suite
1400, Spokane, Washington 99201, who are associated with customer number 29150, to
insert in the caption above the serial number and filing date of the patent application when
known.

WHEREAS, T-Mobile U.S.A, Inc. a corporation of the State of Delaware, having its principal place of business at 12920 SE 38th Street, Bellevue, Washington, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

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Date 2/20/14 Date	Jie Hui Zachary William McPherson
Date	Kranthi Sontineni
Date	Peter P. Myron
Date	Himesh Bagley
Date	Jeffery A. Smith

Done 7

ASSIGNMENT

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WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention church
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a provisional application for United States Letters Patent was filed on and
was given U.S. Serial No; and/or
a non-provisional application for United States Letters Patent was:
filed on February 18, 2014 and was given U.S. Serial No.
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ASSIGNEE's legal representatives, of Lee & Hayes, PLLC, 601 W Riverside Ave. Suite
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And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

Patent Assignment T-Mobile File No. 30-00509USCIP OC Ref. No. TM2-0188US

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Date	Jie Hui
Date	Zachary William McPherson
Date	Kranthi Sontineni
Date	Peter P. Myron
JUNE 6 th , 2014	17 regly — Ilimestad pricy
Date	Jeffery A. Smith

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RECORDED: 08/12/2016